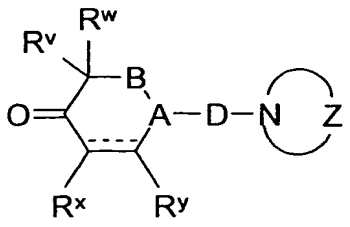
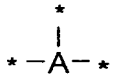
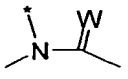
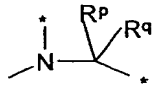
What is claimed is:

1. A compound of the general formula I



(I)

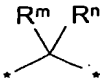
where

 is a group of the formulae  or  where D is bonded to the nitrogen atom and where

R^p and R^q are each independently selected from hydrogen, halogen, optionally substituted C_1-C_6-alkyl, C_3-C_6-cycloalkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkoxy, C_3-C_6-cycloalkyloxy, C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy and optionally substituted phenyl;

W is O, S or an N-R^z group where R^z is selected from optionally substituted C_1-C_6-alkyl, C_3-C_6-cycloalkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkoxy, C_3-C_6-cycloalkyloxy, C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy and optionally substituted phenyl

and * denotes the bonding sites;

-B- is a bond or  where R^m and R^n are each independently selected from hydrogen, halogen, optionally substituted C_1-C_6-alkyl, C_3-C_6-cycloalkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkoxy, C_3-C_6-cycloalkyloxy, C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy and optionally substituted phenyl, or, when the nitrogen in the A group is bonded to B, may also be a carbonyl group, and * denotes the bonding sites;

----- represents a single bond or a double bond;

R^v, R^w are each independently hydrogen, halogen, optionally substituted C_1-C_6-alkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyloxy,

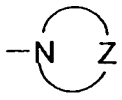
C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy or C_3-C_6-cycloalkyl;

R^x, R^y are each independently hydrogen, halogen, optionally substituted C_1-C_6-alkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyloxy, C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy or C_3-C_6-cycloalkyl, or

R^x, R^y, together with the carbon atoms to which they are bonded, may also form a fused phenyl ring or a fused 5- or 6-membered aromatic heterocycle which has 1, 2, 3 or 4 heteroatoms which are selected from N, O and S, where the fused phenyl ring and the fused aromatic heterocycle may have 1, 2 or 3 substituents which are selected from optionally substituted C_1-C_6-alkyl, CN, OR^1, NR^2R^3, NO_2, SR^4, SO_2R^4, $SO_2NR^2R^3$, $CONR^2R^3$, $COOR^5$, COR^6, C_1-C_4-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_2-C_6-alkenyloxy, C_2-C_6-alkynyloxy, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyloxy and halogen; where

R^1, R^2, R^3, R^4, R^5 and R^6 are each independently H, optionally substituted C_1-C_6-alkyl or optionally substituted phenyl, where R^3 may also be a COR^7 group where R^7 is hydrogen, optionally substituted C_1-C_4-alkyl or optionally substituted phenyl, where R^2 with R^3 may also together form a 5- or 6-membered, saturated or unsaturated carbocycle which may have a heteroatom selected from O, S and NR^8 as a ring member, where R^8 is hydrogen or C_1-C_4-alkyl,

D is a linear or branched 2- to 10-membered alkylene chain which may have, as chain members, a heteroatom group K which is selected from O, S, S(O), $S(O)_2$, N-R^8, CO-O, C(O)NR^8, and/or 1 or 2 nonadjacent carbonyl groups and which may include a cycloalkanediyl group and/or may have a double or triple bond;



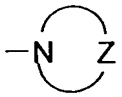
is a saturated or monounsaturated, monocyclic nitrogen heterocycle having from 5 to 8 ring members or a bicyclic saturated nitrogen heterocycle having from 7 to 12 ring members, where the mono- and the bicyclic nitrogen heterocycle optionally has, as a ring member, a further heteroatom selected from oxygen, sulfur or nitrogen, where the mono- or bicyclic nitrogen heterocycle may be unsubstituted or bears an R^a radical, where

R^a is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_1-C_{10}-alkoxycarbonyl, C_1-C_{10}-alkylcarbonyl, C_1-C_{10}-alkylsulfonyl, C_1-C_{10}-cyanoalkyl, C_3-C_{10}-

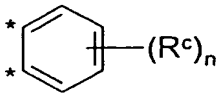
cycloalkyl, C_3-C_{10}-cycloalkyl-C_1-C_4-alkyl, C_3-C_{10}-cycloalkylcarbonyl, C_3-C_{10}-cycloalkylcarbonyl-C_1-C_4-alkyl, phenylcarbonyl, phenylcarbonyl-C_1-C_4-alkyl, phenoxycarbonyl, phenyl-C_1-C_{10}-alkyloxycarbonyl, 3- to 8-membered heterocyclylcarbonyl or 3- to 8-membered heterocyclylcarbonyl-C_1-C_4-alkyl, where heterocyclyl in the aforementioned radicals may have one, two or three heteroatoms selected from S, O and N, and

where the last 6 radicals may have, on the heterocycle or on the phenyl ring, 1, 2 or 3 substituents R^b which are each independently selected from optionally substituted C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyl, C_4-C_{10}-bicycloalkyl and C_6-C_{10}-tricycloalkyl, where the last three groups may optionally be substituted by halogen or C_1-C_4-alkyl, halogen, CN, OR^1, NR^2R^3, NO_2, SR^4, SO_2R^5, $CONR^2R^3$, $SO_2NR^2R^3$, $COOR^5$, COR^6, O-COR^6, 5- or 6-membered heterocyclyl having 1, 2 or 3 heteroatoms selected from O, S and N, and phenyl, where phenyl and heterocyclyl in the last two substituents R^b may optionally bear one or two substituents which are each independently selected from C_1-C_4-alkyl, C_1-C_4-alkoxy, NR^2R^3, CN, C_1-C_2-fluoroalkyl and halogen, and where 2 substituents R^b bonded to adjacent carbon atoms of the aromatic radical may together be C_3- or C_4-alkylene, or, together with the carbon atoms to which they are bonded, may be a fused-on, unsaturated 5- or 6-membered carbocycle or a 5- or 6-membered heterocycle having 1 or 2 nitrogen atoms as ring members; or

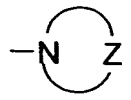
R^a is an E-Ar group wherein E is a bond or linear or branched alkylene having from 1 to 4 carbon atoms and in particular $(CH_2)_p$ where p is 0, 1, 2, 3 or 4, and Ar is selected from phenyl, naphthyl and 5- or 6-membered heteroaryl which has one, two or three heteroatoms selected from S, O and N as ring members and which may optionally have 1, 2 or 3 of the aforementioned substituents R^b; or



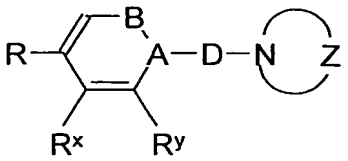
is a saturated monocyclic nitrogen heterocycle having from 5 to 7 ring atoms which bears a fused-on benzene ring of the formula



where * denotes the bonding sites to the saturated monocyclic heterocycle; R^c may be the same or different and is as defined for R^b, and n is 0, 1, 2 or 3;

where  may optionally also have 1, 2, 3 or 4 further C_1-C_4-alkyl groups as substituents;

the physiologically acceptable acid addition salts of this compound and the tautomer of the formula I'



(I')

where R is halogen, an O-R^1 group where R^1 is as defined above, or an O-C(O)R^9 group where R^9 is hydrogen, optionally substituted C_1-C_6-alkyl, benzyl or phenyl, where the last two radicals are optionally substituted by one or two radicals which are each independently selected from C_1-C_4-alkyl, OH, C_1-C_4-alkoxy, NR^2R^3, CN, C_1-C_2-fluoroalkyl or halogen, and the physiologically acceptable acid addition salts of the tautomer I'.

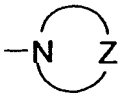
2. A compound of the general formula I or I' as claimed in claim 1, where R^x, R^y, together with the carbon atoms to which they are bonded, are a fused phenyl ring or a fused 5- or 6-membered aromatic heterocycle which has 1, 2, 3 or 4 heteroatoms which are selected from N, O and S, where the fused phenyl ring and the fused aromatic heterocycle may have 1, 2 or 3 substituents which are selected from C_1-C_4-alkyl, C_1-C_4-hydroxyalkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, CN, OR^1, NR^2R^3, NO_2, SR^4, SO_2R^4, $SO_2NR^2R^3$, $CONR^2R^3$, $COOR^5$, COR^6, C_1-C_2-fluoroalkyl, C_1-C_2-fluoroalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_2-C_6-alkenyloxy, C_2-C_6-alkynyloxy, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl and halogen; where R^1, R^2, R^3, R^4, R^5 and R^6 are each independently as defined above.

3. A compound as claimed in either of the preceding claims, where D in the formulae I and I' is a $(CH_2)_k$ group or a C(O)$(CH_2)_l$ group, where k is 3, 4, 5 or 6 and l is 2, 3, 4 or 5.

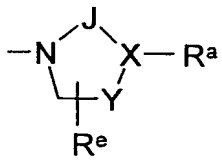
4. A compound as claimed in any of the preceding claims, where A is N-C(O) in which the carbon atom is bonded to the variable B.

5. A compound as claimed in claim 4, where B is CH_2.

6. A compound of the general formula I or I' as claimed in any of the preceding claims, where



is a radical of the formula



where R^a is as defined above, and

J is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2;

X is CH or N and

Y is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2, or Y-X together is CH=C or CH_2-CH=C;

R^e is hydrogen or C_1-C_4-alkyl.

7. A compound as claimed in claim 6, where J is CH_2-CH_2 and Y is CH_2.

8. A compound as claimed in claim 6 or 7, where X is N.

9. A compound of the general formula I or I' as claimed in claim 6, where R^a is an E-Ar group where E and Ar are each as defined above.

10. A compound as claimed in claim 9, where E is a bond.

11. A compound as claimed in claim 10, where Ar is phenyl, pyridyl, pyrimidinyl or s-triazinyl, each of which has 1, 2 or 3 of the aforementioned R^b radicals.

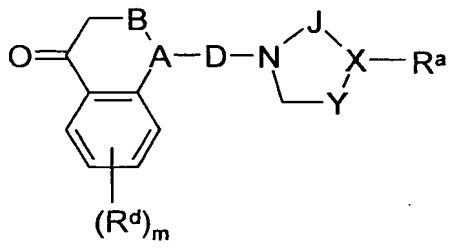
12. A compound as claimed in claim 9, where E is CH_2.

13. A compound as claimed in claim 12, where Ar is phenyl, naphthyl, pyridyl, pyridinyl, pyrazinyl, pyridazinyl, thienyl, furyl, pyrrolyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, 1-oxa-3,4-diazolyl or 1-thia-3,4-diazolyl, each of which is unsubstituted or may have 1, 2 or 3 of the abovementioned R^b radicals.

14. A compound as claimed in any of claims 6 to 8, where R^a is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_3-C_{10}-cycloalkyl, C_3-C_{10}-cycloalkyl-C_1-C_4-alkyl, C_3-C_{10}-

cycloalkylcarbonyl-C_1-C_4-alkyl, C_3-C_{10}-heterocycloalkyl-C_1-C_4-alkyl or C_3-C_{10}-heterocycloalkylcarbonyl-C_1-C_4-alkyl.

15. A compound of the general formula I-Aa



(I-Aa)

where R^a, A, B and D are each as defined in claim 1;

m is 0, 1, 2 or 3;

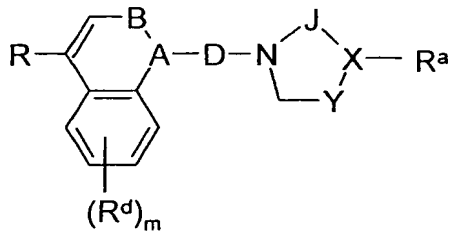
R^d are each independently C_1-C_4-alkyl, C_1-C_4-hydroxyalkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, CN, OR^1, NR^2R^3, NO_2, SR^4, SO_2R^4, $SO_2NR^2R^3$, $CONR^2R^3$, $COOR^5$, COR^6, C_1-C_2-fluoroalkyl, C_1-C_2-fluoroalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_2-C_6-alkenyloxy, C_2-C_6-alkynyloxy, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl or halogen, where R^1, R^2, R^3, R^4, R^5 and R^6 are each as defined in claim 1;

J is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2;

X is CH or N and

Y is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2, or Y-X together is CH=C or CH_2-CH=C;

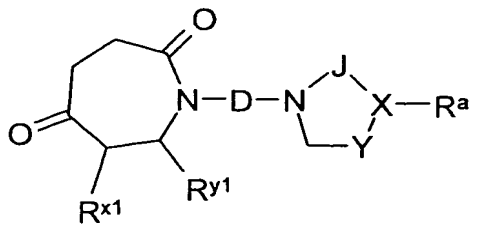
the physiologically acceptable acid addition salts of this compound and the tautomer of the formula I-A'a



(I-A'a)

where R is as defined in claim 1 and the physiologically acceptable acid addition salts of the tautomer Ia'.

16. A compound of the formula I-Ba



(I-Ba)

where R^a and D are each as defined in claim 1;

R^{x1}, R^{y1} are each independently hydrogen, halogen, optionally substituted C_1-C_6-alkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyloxy, C_3-C_6-cycloalkyl-C_1-C_4-alkyloxy or C_3-C_6-cycloalkyl;

J is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2;

X is CH or N and

Y is CH_2, CH_2-CH_2 or CH_2-CH_2-CH_2, or Y-X together is CH=C or CH_2-CH=C;

and the physiologically acceptable acid addition salts of the compound I-Ba.

17. A compound as claimed in claim 15 or 16, where J is CH_2-CH_2 and Y is CH_2.

18. A compound as claimed in any of claims 15 to 17, where X is N.

19. A compound of the general formula I or I' as claimed in any of claims 15 to 18, where R^a is an E-Ar group in which E and Ar are each as defined above.

20. A compound as claimed in claim 19, where E is a bond.

21. A compound as claimed in claim 20, where Ar is phenyl, pyridyl, pyrimidinyl or s-triazinyl, each of which has 1, 2 or 3 of the aforementioned R^b radicals.

22. A compound as claimed in claim 19, where E is CH_2.

23. A compound as claimed in claim 22, where Ar is phenyl, naphthyl, pyridyl, pyridinyl, pyrazinyl, pyridazinyl, thienyl, furyl, pyrrolyl, pyrazolyl, imidazolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, 1-oxa-3,4-diazolyl or 1-thia-3,4-

diazolyl, each of which is unsubstituted or may have 1, 2 or 3 of the abovementioned R^b radicals

24. A compound as claimed in any of claims 15 to 18, where R^a is C_1-C_{10}-alkyl, C_2-C_{10}-alkenyl, C_3-C_{10}-cycloalkyl, C_3-C_{10}-cycloalkyl-C_1-C_4-alkyl, C_3-C_{10}-cycloalkylcarbonyl-C_1-C_4-alkyl, C_3-C_{10}-heterocycloalkyl-C_1-C_4-alkyl or C_3-C_{10}-heterocycloalkylcarbonyl-C_1-C_4-alkyl.

25. A pharmaceutical composition comprising at least one active ingredient which is selected from compounds of the formula I, the tautomers of the formula I', the physiologically tolerated acid addition salts of the compounds I and the physiologically tolerated acid addition salts of the tautomers of the formula I' as claimed in any of claims 1 to 24, optionally together with physiologically acceptable carriers and/or excipients.

26. The use of active ingredients which are selected from compounds of the formula I, the tautomers of the formula I', the physiologically tolerated acid addition salts of the compounds I and the physiologically tolerated acid addition salts of the tautomers of the formula I' as claimed in any of claims 1 to 24 for producing a pharmaceutical composition for treating diseases which respond to the influence of dopamine D_3 receptor antagonists or agonists.

27. The use as claimed in claim 26 for treating diseases of the central nervous system.

28. The use as claimed in claim 26 for treating kidney function disorders.